

- 1 (a) an anhydrous hydrocarbon compound liquid at ambient temperature;  
2 (b) having at least one di- or poly- Group VI-A element of the periodic table of  
3 elements; and  
4 (c) a natural or synthetic polymer liquid at ambient temperature having a molecular  
5 weight less than 25,000 ~~30,000~~.

1 2. (Original) A cross-linking compound as set forth in Claim 1 wherein said Group VI-A  
2 element is sulfur.

1 3. (Original) A cross-linking compound as set forth in Claim 1 wherein said polymer is  
2 a multi-component polymer.

1 4. (Original) A cross-linking compound as set forth in Claim 1 wherein said polymer is  
2 saturated.

1 5. (Original) A cross-linking compound as set forth in Claim 1 wherein said polymer  
2 contains functional groups.

1 6. (Previously Withdrawn)

1 7. (Original) A cross-linking compound as set forth in Claim 1 wherein said polymer  
2 contains two or more chemical moieties.

1           8.       (Original) A cross-linking compound as set forth in Claim 7 wherein said polymer is  
2       a copolymer of butylene and butene.

1       Claims 9 and 10 (Previously Withdrawn)

1           11.     (Previously Canceled)

1           12.     (Currently Amended) A cross-linking compound which comprises:

2                   (a)     an anhydrous hydrocarbon compound liquid at ambient temperature;

3                   (b)     molecules or chemical moieties having two or more Group VI-A elements of  
4       the periodic table of elements; and

5                   (c)     a natural or synthetic polymer liquid at ambient temperature having a molecular  
6       weight less than 25,000 ~~30,000~~.

1           13.     (Original) A cross-linking compound as set forth in Claim 12 wherein said polymer  
2       is a multi-component polymer.

1           14.     (Original) A cross-linking compound as set forth in Claim 12 wherein said polymer  
2       is saturated.

1            15.    (Original) A cross-linking compound as set forth in Claim 12 wherein said polymer  
2 contains functional groups.

1            16.    (Previously Withdrawn)

1            17.    (Original) A cross-linking compound as set forth in Claim 12 wherein said polymer  
2 contains two or more chemical moieties.

1            18.    (Original) A cross-linking compound as set forth in Claim 17 wherein said polymer  
2 is a copolymer of butylene and butene.

1            19.    (Original) A cross-linking compound as set forth in Claim 12 wherein said Group VI-  
2 A elements of the periodic table of elements are in terminal positions on the molecules or chemical  
3 moieties.

1            20.    (Original) A cross-linking compound as set forth in Claim 19 wherein at least one of  
2 said Group VI-A elements of the periodic table of elements is sulfur.

1            21.    (Original) A cross-linking compound as set forth in Claim 20 wherein the molecules  
2 or chemical moieties are mercaptans.

1           22.     (Original) A cross-linking compound as set forth in Claim 12 wherein said Group VI-  
2     A elements of the periodic table of elements are not in the terminal position of the molecules or  
3     chemical moieties.

1           23.     (Original) A cross-linking compound as set forth in Claim 22 wherein said Group VI-  
2     A elements of the periodic table of elements are poly-element moieties within the molecules or  
3     chemical moieties.

1           24.     (Original) A cross-linking compound as set forth in Claim 23 wherein at least one of  
2     said Group VI-A elements is sulfur.

1           25.     (Original) A cross-linking compound as set forth in Claim 23 wherein the molecules  
2     or chemical moieties are Di-tert-butyl polysulfide, Di-tert-dodecyl polysulfide, Di-tert-nonyl  
3     polysulfide or combinations thereof.

1           26.     (Original) A cross-linking compound as set forth in Claim 23 wherein the poly-  
2     element moiety is poly-sulfide.

Claims 27 through 35 (Previously Withdrawn)

Claims 36 through 38 (Previously Canceled)

Claims 39 - 46 (Previously Withdrawn)

Claims 47 and 48 (Previously Canceled)